

## Message Text

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62

ORIGIN OES-06

INFO OCT-01 ARA-10 ISO-00 NASA-02 /019 R

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NASA/I:BGARDNER

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P 142103Z APR 76

FM SECSTATE WASHDC

TO AMEMBASSY BUENOS AIRES PRIORITY

UNCLAS STATE 073413

FOLLOWING REPEAT STATE 073413 ACTION LORING AFB MAINE

HOWARD AFB CANALA ZONE DTD 30 MAR

QTE

UNCLAS STATE 073413

FOLLOWING REPEAT STATE 073413 DTG 261403Z MAR ACTION PANAMA

SAN JOSE QUITO LIMA OTTAWA 26 MAR 76

QUOTE

UNCLAS STATE 073413

E.9. 11652: NA

TAGS: TSPA:OCLR

SUBJ: REQUEST FOR OVERFLIGHT AND STAGING OF NASA U-2

AIRCRAFT

1. AS PART OF NASA'S STRATOSPHERIC SAMPLING PROGRAM, NASA  
PLANS TO CONDUCT SERIES OF FLIGHTS WITH ITS U-2 AIRCRAFT  
FROM HOWARD AFB, CZ AND LORING AFB MAINE IN APRIL.

OBJECTIVE OF STUDY TO OBTAIN HIGH ALTITUDE RESEARCH DATA  
FROM 08 DEGREES SOUTH TO 64 DEGREES NORTH LATITUDE AND  
FROM 80 DEGREES WEST TO 97 DEGREES WEST LONGITUDE. DATA  
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COLLECTED WILL BE UTILIZED FOR CHEMISTRY AND TRANSPORT  
STUDIES OF MINOR ATMOSPHERIC COMPONENTS IN ORDER TO DEVELOP  
THEIR SPATIAL DISTRIBUTION FOR VARIOUS REALISTIC SOURCES,  
AND RADIATIVE BALANCE STUDIES TO EVALUATE THE LONG-TERM

EFFECT OF GASEOUS AND PARTICULATE CONTAMINANTS ON GLOBAL CLIMATE AND OZONE CONCENTRATION.

2. FOUR SPECIFIC INVESTIGATIONS WILL CONDUCTED:

A. CONTINUOUS MEASUREMENTS OF OZONE AND NITROGEN OXIDES, PRINCIPAL INVESTIGATOR DR. MAX LOEWENSTEIN OF NASA AMES RESEARCH CENTER (ARC).

B. MEASUREMENTS OF AEROSOL PARTICLES IN THE 0.1 TO 1 MICRON RANGE, PRINCIPAL INVESTIGATOR GUY FERRY OF AMES.

C. MEASUREMENTS OF STRATOSPHERIC AEROSOLS AND TRACE GAS CONSTITUENTS MADE BY SELECTABLE FILTER ELEMENTS INTRODUCED INTO THE AIRSTREAM (ONE FLIGHT FROM PANAMA ONLY), PRINCIPAL INVESTIGATOR DR. AL LAZRUS OF NATIONAL CENTER FOR ATMOSPHERIC RESEARCH.

3. AIRCRAFT WILL BE EQUIPPED WITH FOUR SENSOR SYSTEMS TO COLLECT ABOVE MEASUREMENTS. NONE REPEAT NONE ARE DOWNWARD LOOKING.

4. AIRCRAFT WOULD STAGE FROM HOWARD AFB APR 8-16 AND THEN BE DEPLOYED TO LORING AFB FOR CANADIAN FLIGHTS APR 20-25.

5. FOLLOWING IS PROPOSED FLIGHT PLAN.

A. AIRCRAFT TO DEPART WOLLOPS ISLAND VIRGINIA APR 8 AND FLY DIRECT TO HOWARD AFB. FLIGHT WOULD CROSS FLORIDA THEN REMAIN OVER WATER UNTIL PANAMA. RETURN FLIGHT TO U.S. WOULD REVERSE THIS COURSE.

B. APR 9, 10, 11, 16 STRATOSPHERIC AIR SAMPLING FLIGHTS FROM HOWARD AFB OVER ECUADOR AND PERU TO 07 DEGREES 55 MINUTES SOUTH LATITUDE, 79 DEGREES 55 MINUTES WEST LONGITUDE AND RETURN.

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C. APR 16 STRATOSPHERIC AIR SAMPLING FLIGHT OVER COSTA RICA TO 10 DEGREES 03 MINUTES NORTH LATITUDE, 96 DEGREES 35 MINUTES WEST LONGITUDE AND RETURN.

D. APR 20, 21, 22, 25 STRATOSPHERIC AIR SAMPLING FLIGHTS FROM LORING AFB MAIN OVER CANADA TO 63 DEGREES 45 MINUTES NORTH LATITUDE, 68 DEGREES 35 MINUTES WEST LONGITUDE AND RETURN.

6. MEASUREMENTS WILL BE MADE AT ALTITUDES FROM 50,000 TO 70,000 FEET.

7. AIRCRAFT IS USAF OWNED, NASA MAINTAINED AND OPERATED

U-2 WITH NASA MARKINGS. CALL SIGN NASA 708 OR 709.

8. AIRCRAFT OPERATED BY SINGLE PILOT. DURING STAGING FROM HOWARD TWO PILOTS (MR. ROBERT ERICSON, U.S. CITIZEN AND IVOR B WEBSTER, U.K. CITIZEN) AND TWO BACK-UP PILOTS JAMES A. BARNES AND MARTIN A. KNUTSON BOTH U.S. CITIZENS) WILL ACCOMPANY ACFT. FOR CANADIAN MISSION PILOTS WILL BE JAMES A BARNES AND RONALD R WILLIAMS (U.S. CITIZENS) AND BACK-UP IVOR B. WEBSTER AND ROBERT J. ERICSON.

9. DATA CAN BE MADE AVAILABLE TO HOST GOVTS IF REQUESTED.

10. PLEASE SECURE REQUIRED CLEARANCE PLUS OR MINUS 48 HOURS AND ADVISE.

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## Message Attributes

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**TAGS:** TSPA, OCLR, US, PN, CS, EC, PE, CA, NASA  
**To:** BUENOS AIRES  
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